P/ _NT COOPERATION TREAT

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2) Date of mailing (day/month/year)	Commissioner US Department of Commerce United States Patent and Trademark Office, PCT 2011 South Clark Place Room CP2/5C24 Arlington, VA 22202 ETATS-UNIS D'AMERIQUE in its capacity as elected Office
24 April 2001 (24.04.01)	
International application No. PCT/NZ00/00197	Applicant's or agent's file reference 26504 MRB
International filing date (day/month/year) 12 October 2000 (12.10.00)	Priority date (day/month/year) 12 October 1999 (12.10.99)
Applicant	
TAGG, John, Robert et al	
1. The designated Office is hereby notified of its election made	:
X in the demand filed with the International Preliminary	Examining Authority on:
13 March 2001	
in a notice effecting later election filed with the Interna	ational Bureau on:
2. The election X was was not	
made before the expiration of 19 months from the priority do Rule 32.2(b).	ate or, where Rule 32 applies, within the time limit under

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Juan Cruz

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

 $_{\rm i}$:

ATENT COOPERATION TREATY

	From the	INTERNATIONAL B	UREAU		
PCT	То:	То:			
OF A CHANGE (PCT Rule 92bis.1 and 1 Administrative Instructions, Section 422) P.		BENNETT, Michael, Roy A J Park Huddart Parker Building, 6th Floor 1 Post Office Square P.O. Box 949 Wellington 60,15			
Date of mailing (day/month/year) 10 octobre 2001 (10.10.01)	NOOV	'ELLE-ZÉLANDE			
Applicant's or agent's file reference 26504 MRB		IMPORTANT NOTI	IFICATION		
International application No. PCT/NZ00/00197		al filing date (day/month/yotobre 2000 (12.10.00)			
The following indications appeared on record concerning: X the applicant the inventor	the agent	the commo	on representative		
Name and Address UNIVERSITY OF OTAGO Leith Street Dunedin New Zealand		State of Nationality NZ Telephone No.	State of Residence NZ		
		Facsimile No. Teleprinter No.			
2. The International Bureau hereby notifies the applicant that to X the person the name X the add	_	nange has been recorded o	concerning: the residence		
Name and Address BLIS TECHNOLOGIES LIMITED		State of Nationality NZ	State of Residence		
Level 10 Otago House 481 Moray Place		Telephone No.			
Dunedin [*] New Zealand		Facsimile No.			
		Teleprinter No.			
3. Further observations, if necessary:	· · · · · · · · · · · · · · · · · · ·				
4. A copy of this notification has been sent to:					
X the receiving Office		the designated Offices of	concerned		
the International Searching Authority	X	the elected Offices cond	cerned		
the International Preliminary Examining Authority		other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized of	ficer Céline Faust			
Facsimile No.: (41-22) 740.14.35	Telephone No	o.: (41-22) 338.83.38			

Form PCT/IB/306 (March 1994)

V-11-11-1-



PCT

INTERNATIONAL SEARCH REPORT

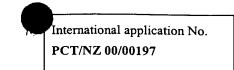
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 26504MRB	FOR FURTHER ACTION	(C DCT/IC + (220) II licable item 5 helevy					
International application No.	International filing date	nternational filing date (day/month/year) (Earliest) Priority Date (day/month/year)					
PCT/NZ 00/00197	12 October 2000		12 October 199	9			
Applicant 1. UNIVERSITY OF OTAGO	et al.						
This international search report has been prep 18. A copy is being transmitted to the Interna		Searching Authority and	d is transmitted to th	ne applicant according to Article			
This international search report consists of a t	otal of 3 sheets.						
It is also accompanied by a	copy of each prior art doc	ument cited in this repor	rt.				
1. Basis of the report							
a. With regard to the language, the which it was filed, unless otherwi			f the international a	pplication in the language in			
the international search w (Rule 23.1(b)).	as carried out on the basis	of a translation of the i	nternational applica	tion furnished to this Authority			
b. With regard to any nucleotide an the international search was carried			ational application,	the international application,			
contained in the internation	onal application in written	form.					
X filed together with the into	filed together with the international application in computer readable form.						
furnished subsequently to this Authority in written form.							
furnished subsequently to	furnished subsequently to this Authority in computer readable form.						
application as filed has be	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished. the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
2. Certain claims were found	d unsearchable (See Box	I).					
3. Unity of invention is lacki	ng (See Box II).						
4. With regard to the title,	the text is approved as	submitted by the applic	ant.				
	the text has been establ	ished by this Authority	to read as follows:				
5. With regard to the abstract,	the text is approved as so	ubmitted by the applican	nt				
		in one month from the o		hority as it appears in Box III. is international search report,			
6. The figure of the drawings to be publ	ished with the abstract is I	Figure No.					
	as suggested by the appl	icant.	X	None of the figures			
	because the applicant fai	iled to suggest a figure					
	because this figure bette	r characterizes the inver	ntion				

PCT/NZ 00/00197

Α.	CLASSIFICATION OF SUBJECT MATTER				
Int Cl ⁷ :	C07K 7/06, 14/315; C12N 1/20, 15/31, 1/21; A61K 38/08, 38/16, 39/09; A61P 31/04				
According to Ir	nternational Patent Classification (IPC) or to both nation	al classification and IPC			
	FIELDS SEARCHED				
Minimum docu	mentation searched (classification system followed by c	lassification symbols)			
Documentation	searched other than minimum documentation to the ext	ent that such documents are included in the	e fields searched		
STN; (CA M	base consulted during the international search (name of IEDLINE, WPIDS, BIOSIS) Keywords: Strepquence Search: Seq. 1,3,5.		rms used)		
C.	DOCUMENTS CONSIDERED TO BE RELEVANT	7			
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
Α	US3925160A (CREIGHTON UNIVERSITY 9 December 1975	Y)	1-45		
A	Applied and Environmental Microbiology, Vol.59(7), July1993, Ross, Karen F. et al.,				
A	"Isolation and characterization of the lantibiotic", pages 2014-21. A Applied and Environmental Microbiology, Vol. 65(5), May 1999, Kalmokoff, M.L. et al., Evidence for production of a new lantibiotic", pages 2128-35				
	Further documents are listed in the continuation of Box C	X See patent family an	nex		
* Special categories of cited documents: "A" Document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family					
	al completion of the international search	Date of mailing of the international search	h report		
8 January 20		// January	200/		
AUSTRALIAN PO BOX 200 WODEN ACT	ing address of the ISA/AU I PATENT OFFICE 2606 AUSTRALIA s: pct@ipaustralia.gov.au (02) 6285 3929	J.G. HANSON Telephone No.: (02) 6283 2262			

INTERNATIONAL SEARCH REPORT Information on patent family members



This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Doc	ument Cited in Search Report		Patent Family Member	
US	3925160	NONE		
•				
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				j
•				•
				END OF ANNEX

INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ 00/00197

A. CLASSIFICATION OF SUBJECT MATTER						
Int Cl ⁷ :	Int Cl ⁷ : C07K 7/06, 14/315; C12N 1/20, 15/31, 1/21; A61K 38/08, 38/16, 39/09; A61P 31/04					
According to Int	ternational Patent Classification (IPC) or to both national	classification and IPC				
в.	FIELDS SEARCHED	<u> </u>				
Minimum docur	mentation searched (classification system followed by class	ssification symbols)				
	searched other than minimum documentation to the exten					
STN: (CA M	base consulted during the international search (name of date of the IEDLINE, WPIDS, BIOSIS) Keywords: Strep., quence Search: Seq. 1,3,5.	ata base and, where practicable, search te Salivarius, Antibact., Antibiot.	rms used)			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appre	opriate, of the relevant passages	Relevant to claim No.			
A	US3925160A (CREIGHTON UNIVERSITY) 9 December 1975					
A	Applied and Environmental Microbiology, Vol.59(7), July1993, Ross, Karen F. et al.,					
A	"Isolation and characterization of the lantibiotic", pages 2014-21.					
	Further documents are listed in the continuation of Box C	X See patent family a	nnex			
* Special categories of cited documents: "A" Document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date "C" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family						
	Date of the actual completion of the international search Date of mailing of the international search report					
8 January 2		Authorized officer	1 200/			

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/NZ 00/00197

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Doc	rument Cited in S Report	earch	Patent Family Member
US	3925160	NONE	
		•	
•			
			·
			·
		-	
			END OF ANNEX

ACTEST SCHOOL

REQUEST

The undersigned requests that the present international application be processed

For receiving Office use only
International Application No.
International Application 140.
International Filing Date
Name of receiving Office and "PCT International Application"

according to the Patent Cooperation Treaty. Applicant's or agent's file reference 26504 MRB (if desired) (12 characters maximum) TITLE OF INVENTION Box No. I LANTIBIOTIC **APPLICANT** Box No. II Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) This person is also inventor. Telephone No. UNIVERSITY OF OTAGO Leith Street Facsimile No. Dunedin New Zealand Teleprinter No. State (that is, country) of residence: State (that is, country) of nationality: New Zealand <u>New Zealand</u> the States indicated in the Supplemental Box the United States of America only all designated States except the United States of America all designated This person is applicant for the purposes of: Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State This person is: of residence is indicated below.) χ applicant only BLIS TECHNOLOGIES LIMITED applicant and inventor Level 10, Otago House 481 Moray Place inventor only (If this check-box is marked, do not fill in below.) Dunedin New Zealand State (that is, country) of residence: State (that is, country) of nationality: New Zealand New Zealand the States indicated in the Supplemental Box This person is applicant for the purposes of: all designated States except the United States of America the United States all designated States Further applicants and/or (further) inventors are indicated on a continuation sheet. AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE Box No. IV The person identified below is hereby/has been appointed to act on behalf common representative |χ | agent of the applicant(s) before the competent International Authorities as: Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country.) Telephone No. +64 4 499 9058 BENNETT, Michael Roy; WEST-WALKER, Gregory Facsimile No. James; RUTLEDGE, Sue Moira; ADAMS, Matthew Dickson of WEST-WALKER BENNETT +64 4 499 9306 Mobil on the Park Teleprinter No. 157 Lambton Quay Wellington, New Zealand Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Form PCT/RO/101 (first sheet) (July 1998; reprint January 2000)

See Notes to the request form

Sheet No. ...2....

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVE	Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)				
If none of the following sub-boxes is used, this sheet should not be inclu					
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) TAGG, John Robert 39 Braeview Crescent Dunedin New Zealand State (that is, country) of nationality: Australia New Zealand	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.) sidence:				
	nerica only the Supplemental Box				
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) DIERKSEN, Karen Patricia C/- 3450 SW Campus Way Corvallis, OR 97331-8539 United States of America	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
State (that is, country) of nationality: State (that is, country) of re	esidence:				
USA USA	Inited States				
	nerica only the Supplemental Box				
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) UPTON, Mathew Flat 1, 15 Peacock Street Christchurch New Zealand	This person is: applicant only X applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
State (that is, country) of nationality: State (that is, country) of relationships State (that is, country) of re	esidence:				
British New Zealand					
This person is applicant all designated States except the United States of America X of A	United States America only the States indicated in the Supplemental Box				
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.)				
	•••				
State (that is, country) of nationality: State (that is, country) of the state (that is, coun	residence:				
State (Intal 15, Country) of Intal States (Intal 15, Country)	e United States the States indicated in the Supplemental Box				

Box No.V DESIGNATION OF STATES		
The following designations are hereby made under Rule 4.9(a) (mo	ark the appli	icable check-boxes; at least one must be marked):
Regional Patent		STATE OF THE STATE
- Call - II Destoyal and of the PCT	1104, 211 2	initioatiwe, and any outer class was a
EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Bo RU Russian Federation, TJ Tajikistan, TM Turkmenistan,	and any ou	nei State which is a Conducting state of the
EP European Patent: AT Austria, BE Belgium, CH at DK Denmark, ES Spain, FI Finland, FR France, GB U MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and Stan PCT.	and any oth	er State which is a Contracting State of the European Patent
OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Centr. GA Gabon, GN Guinea, GW Guinea-Bissau, ML Mali, I other State which is a member State of OAPI and a Contrascept on dotted line)	cting State	of the PCT (if other kind of protection or treatment desired,
National Patent (if other kind of protection or treatment desired, spec	ify on dotted	d line):
X AE United Arab Emirates		Saint Lucia
X AG Antigua and Barbuda	X LK	Sri Lanka
X AL Albania	🔀 LR	
X AM Armenia	_	Lesotho
X AT Austria	=	Lithuania
X AU Australia	=	Luxembourg
X AZ Azerbaijan	X LV	Morocco
🗵 BA Bosnia and Herzegovina	ΔI MA	Republic of Moldova
X BB Barbados		Madagascar
🗵 BG Bulgaria	MI MIG	The former Yugoslav Republic of Macedonia
X BR Brazil		Mongolia
l .	X MW	Malawi
X BZ Belize	MX MX	Mexico
区A Canada 区H and LI Switzerland and Liechtenstein		Mozambique
CN China	⊠ NO	
☑ CR Costa Rica	X NZ	New Zealand
☑ CU Cuba	🛛 PL	Poland
X CZ Czech Republic	X PT	Portugal
DE Germany	🛛 RO	Romania
☑ DK Denmark	🛛 RU	Russian Federation
X DM Dominica	X SD	Sudan
☑ DZ Algeria	⊠ SE	Sweden
X EE Estonia	⊠ SG	Singapore
K ES Spain	⊠ SI	Slovenia
🗵 FI Finland	⊠ SK	Sierra Leone
☐ GB United Kingdom	⊠ SL	Tajikistan
☑ GD Grenada	X TJ	·
☑ GE Georgia	X TM	Turkey
☑ GH Ghana	X TT	Trinidad and Tobago
K GM Gambia	X TZ	United Republic of Tanzania
K HR Croatia	X UA	Ukraine
☑ HU Hungary	X UG	Uganda
X II. Israel	⊠ US	United States of America
X II. Israel	X UZ	Uzbekistan
X IS Iceland	X VN	
☑ JP Japan	X YU	Yugoslavia
1 	🔀 ZA	South Africa
	X ZW	Zimbabwe
KP Democratic People's Republic of Korea	Check-	box reserved for designating States which have become
KR Republic of Korea		o the PCT after issuance of this sheet:
. i 🚍		
Precautionary Designation Statement: In addition to the designations which would be permitted under the PCT except a from the scope of this statement. The applicant declares that designation which is not confirmed before the expiration of 15 me at the expiration of that time limit. (Confirmation (including fees) in	gnations m any designa those addi	itional designations are subject to confirmation and that any the priority date is to be regarded as withdrawn by the applicant



Sheet No. ...4...

Box No. VI PRIORITY CLAIM Further priority claims are indicated in the Supplemental Box.					
Filing date	Number		Where earlier applicat	ion is:	
of earlier application (day/month/year)	of earlier application	national application:	regional application:* regional Office	international application: receiving Office	
item (1)12 4 0 1 1 2 2 2 1					
item (1)12 OCT /1999	NG 500061	N 77			
12/10/1999	NZ 500261	NZ			
item (2)					
: (2)					
item (3)	ı				
The receiving Office is required of the earlier application(s purposes of the present into	i) (only if the earlier a ernational application	pplication was filed with t is the receiving Office) idei	ntified above as item(s):	(1)	
* Where the earlier application is a Convention for the Protection of Inc	10100 11 11 11	to an analysis of the displaced in the	a Supplemental Roy at least of	ne country party to the Paris Supplemental Box.	
	NAL SEARCHING				
Choice of International Search	ning Authority (ISA)	Doguest to use results of	earlier search; reference y or requested from the Interno	to that search (if an earlier	
(if two or more International Sea competent to carry out the interna- the Authority chosen; the two-letter	ational search, inaicale	Date (day/month/year)	Number	Country (or regional Office)	
ISA/ AU					
Box No. VIII CHECK LIST					
This international application c the following number of sheet	re•	ational application is accomtaction accom	panied by the item(s) mar	ked below:	
_	, I. IXI ICC	rate signed power of attorn	ev		
description (excluding		of general power of attorn		nv.	
' -	'			••,, •	
claims :	5 4. statement explaining lack of signature 5. priority document(s) identified in Box No. VI as item(s):				
	1 -	· 1 ·			
drawings : 3 6. translation of international application into (language): sequence listing part 7. separate indications concerning deposited microorganism or other biological material					
of description : 2 8. 🕅 nucleotide and/or amino acid sequence listing in computer readable form					
Total number of sheets: 3		er (specify):	odroneo name m company		
Figure of the drawings which should accompany the abstract	<u>- </u>	Language of filing of the international application			
	OF APPLICANT O				
Next to each signature, indicate the no	ame of the person signing a	nd the capacity in which the perso	on signs (if such capacity is not o	bvious from reading the request).	
	_				
WEGULET DOW DE					
MICHAEL ROY BE Agent for the					
Agent for the					
Date of actual receipt of the international application:	he purported	For receiving Office use of OCT 2000 (1-2//	0/2000)	2. Drawings:	
Corrected date of actual re	eceint due to later but			received:	
timely received papers or the purported internationa	drawings completing				
Date of timely receipt of t corrections under PCT Ar	rticle [1(2):			not received:	
5. International Searching A (if two or more are compe	uthority ISA / Av	6. Trar	nsmittal of search copy del I search fee is paid.	ayed	
	F	or International Bureau use	only		
Date of receipt of the record by the International Bureau:	сору				

Sheet No. ...4...

Box No. VI PRIORITY CI	LAIM		☐ Furth	ner prior	ity claims are indicated	in the	Supplemental Box.
Filing date Number Where earlier application is:							
of earlier application (day/month/year)	of earlier app	lication	national applica country	tion:	regional application:* regional Office		ational application: eceiving Office
item (1)							
-12/10/1999	NZ 5002	261	NZ				
item (2)	112 3001						
, .							
item (3)							
The receiving Office is recoff the earlier application purposes of the present in	s) (only if the ec ternational appl	ırlier appli ication is ti	ication was jilea wi he receiving Office)	ith the i	led above as item(s):	(1)	
* Where the earlier application is Convention for the Protection of Is			the second second	:L. C.	Is-moutal Box at laget as	ne count uppleme	ry party to the Paris ental Box.
	ONAL SEARCI	HING AU	THORITY				
Choice of International Searc (if two or more International Se competent to carry out the inter- the Authority chosen; the two-letter	earching Authoriti national search, in	ès aré sea adicate	equest to use result arch has been carried ate (day/month/year)	ts of ear out by or	lier search; reference requested from the Interna Number	itional S	t search (ij an earlier earching Authority): Ty (or regional Office)
ISA/ AU			210				
Box No. VIII CHECK LIS		E OF FIL	ING		nied by the item(s) mark	ced held	ow.
This international application the following number of sheet	4 1		nai application is aculation sheet	compar	nied by the item(s) man		· · · ·
request :	, 1		signed power of at	ttorney			
description (excluding sequence listing part)	17 3.	copy of	general power of a	ttomey;	reference number, if a	ny:	
claims :	5 4. Statement explaining lack of signature						
abstract :		5. priority document(s) identified in Box No. VI as item(s):					
drawings :	6. translation of international application into (language): 7. separate indications concerning deposited microorganism or other biological material						
sequence listing part of description :					posited microorganism ence listing in computer		
Total number of sheets:		other (s		ora soda.			
Figure of the drawings which should accompany the abstract	:h	I ii	Language of filing	of the	English		, -
BOY NO IX SIGNATURE	E OF APPLICA	NT OR A	GENT				
Next to each signature, indicate the	ame of the person s	igning and th	ne capacity in which the	person sig	ns (if such capacity is not ob	vious fro	om reading the request).
	/	~>	_				
			2				
MICHAEL ROY BY Agent for the		nts					
		Fo	r receiving Office u	ise only			2. Drawings:
Date of actual receipt of tinternational application:	the purported						
timely received papers or	3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:						
Date of timely receipt of corrections under PCT A			·				not received:
5. International Searching A (if two or more are comp	Authority TO A /		6.	Transm until sea	ittal of search copy dela arch fee is paid.	iyed	
		For I	nternational Bureau	use on	ly		
Date of receipt of the record by the International Bureau	i copy						

PCT	For receiving Office use only		
FEE CALCULATION SHEET Annex to the Request	International application No.		
Applicant's or agent's file reference 26504 MRB	Date stamp of the receiving Office		
Applicant UNIVERSITY OF OTAGO and BLI LIMITED	S TECHNOLOGIES		
CALCULATION OF PRESCRIBED FEES 1. TRANSMITTAL FEE 2. SEARCH FEE International search to be carried out by Australian P (If two or more International Searching Authorities are competent in relative application, indicate the name of the Authority which is chosen to carry out the informational searching authority which is chosen to carry out the informational application contains 32 sheets.	on to the international		
first 30 sheets			
number of designation fees payable (maximum 8) Add amounts entered at B and D and enter total at I	\$3454.00		
The designation fees are not paid at this time. MODE OF PAYMENT authorization to charge deposit account (see below) cheque cash postal money order revenue stamps	coupons other (specify):		
DEPOSIT ACCOUNT AUTHORIZATION (this mode of payment may not be available at all receiving Offices) The RO/ is hereby authorized to charge the total fees indicated above to my deposit account. (this check-box may be marked only if the conditions for deposit accounts of the receiving Office so permit) is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to my deposit account. is hereby authorized to charge the fee for preparation and transmittal of the priority document to the International Bureau of WIPO to my deposit account.			
Deposit Account No. Date (day/month/year)	Signature		

The demand must be filed directly with the competent International Preliminary Examining Authority or, if two or more Authorities are competent, with the one chosen by the applicant. The full name or two-letter code of that Authority may be indicated by the applicant on the line below:

IPEA/	

PCT

CHAPTER II

)

DEMAND

under Article 31 of the Patent Cooperation Treaty:

The undersigned requests that the international application specified below be the subject of international preliminary examination according to the Patent Cooperation Treaty and hereby elects all eligible States (except where otherwise indicated).

Identification of IPEA Date of rec		Date of receipt of D	EMAND
Box No. I IDENTIFICATION OF THE INTERNATIONAL APPLICATION		Applicant's or agent's file reference P826504 TVG	
nternational application No.	International filing date	(day/month/year)	(Earliest) Priority date (day/month/year)
CT/NZ00/00197	12 October 20	000(12/10/0	d) 12 October 1999(12/10,
Title of invention			
LANTIBIOTIC			
Box No. II APPLICANT(S)			
Name and address: (Family name followed The address must include	by given name; for a legal entity, de postal code and name of country,	full official designation.)	Telephone No.:
UNIVERSITY OF OTAGO Leith Street			Facsimile No.:
Leith Sifeet Dunedin			
New Zealand			Teleprinter No.:
State (that is, country) of nationality:		State (that is, cour	ntry) of residence:
New Zealand		New Zeala	
Name and address: (Family name followed	l by given name; for a legal entity, j	full official designation. Th	he address must include postal code and name of country.)
BLIS TECHNOLOGIES Li Level 10, Otago Hous 481 Moray Place Dunedin New Zealand	IMITED se		
State (that is, country) of nationality:		State (that is, cou	ntry) of residence:
New Zealand		New Zeal	
Name and address: (Family name follower TAGG, John Robert 39 Braeview Crescen Dunedin New Zealand		full official designation. I	The address must include postal code and name of country.

Sheet No. 2...

International application No. PCT/NZOO/00197

Continuati n of Box No. II APPLICANT(S)			
If none of the following sub-boxes is used, this sheet should not be included in the demand.			
Name and address: (Family name followed by given name: for a legal entity, fix DIERKSEN, Karen Patricia C/- 3450 SW Campus Way Corvallis, OR 97331-8539 United States of America	ll official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality: USA	State (that is, country) of residence: USA		
Name and address: (Family name followed by given name; for a legal entity, full UPTON, Mathew Flat 1, 15 Peacock Street Christchurch New Zealand	ll official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality: British	State (that is, country) of residence: New Zealand		
Name and address: (Family name followed by given name; for a legal entity, ful			
	-		
State (that is, country) of nationality:	State (that is, country) of residence:		
Name and address: (Family name followed by given name; for a legal entity, ful	official designation. The address must include postal code and name of country.)		
State (that is, country) of nationality:	State (that is, country) of residence:		
Further applicants are indicated on another continuati n shee	rt.		

.		3	3
Sheet	No.		

International application No. PCT/NZOO/00197

Box No. III AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE			
The following person is X agent common representative			
and X has been appointed earlier and represents the applicant(s) also for international preliminary examination.			
is hereby appointed and any earlier appointment of (an) agent(s)/common represen	tative is hereby revoked.		
is hereby appointed, specifically for the procedure before the International Prelimi	nary Examining Authority, in addition to		
the agent(s)/common representative appointed earlier.			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)	Telephone No.:		
A J PARK: CALHOUN, Douglas C; CHRISTIE, Andrew	+64 4 473-8278		
L; GRIFFITHS, Teresa V; JONES, David J; MOON,	Facsimile No.:		
Kenneth R; SYDDALL, Thomas H; THOMSON, Keith C; and WEST-WALKER, Gregory J;	+64 4 472-3358		
all of 6th Floor, Huddart Parker Building, Post	Teleprinter No.:		
Office Square, P O Box 949, Wellington 6015, New Zealand			
Address for correspondence: Mark this check-box where no agent or common re	presentative is/has been appointed and the		
space above is used instead to indicate a special addr ess to which correspondence	should be sent.		
B x No. IV BASIS FOR INTERNATIONAL PRELIMINARY EXAMINATION			
Statement concerning amendments:*	,		
1. The applicant wishes the international preliminary examination to start on the basis of			
the international application as originally filed			
the description X as originally filed as amended under Article 34			
as amended under Article 34			
the claims X as originally filed			
as amended under Article 19 (together with any accompanying statement) as amended under Article 34			
the drawings X as originally filed as amended under Article 34			
as amended under Article 34			
2. The applicant wishes any amendment to the claims under Article 19 to be considered as reversed.			
3. The applicant wishes the start of the international preliminary examination to be postponed until the expiration of 20 months			
from the priority date unless the International Preliminary Examining Authority under Article 19 or a notice from the applicant that he does not wish to make such	amendments (Rule 69.1(d)). (This check-		
box may be marked only where the time limit under Article 19 has not yet expired	.)		
* Where no check-box is marked, international preliminary examination will start on as originally filed or, where a copy of amendments to the claims under Article 19 and/or as	the basis of the international application mendments of the international application		
under Article 34 are received by the International Preliminary Examining Authority before it has begun to draw up a written opinion			
or the international preliminary examination report, as so amended. Language for the purposes of international preliminary examination: English			
which is the language in which the international application was filed.	••••••		
which is the language of a translation furnished for the purposes of international search.			
which is the language of publication of the international application.			
which is the language of the translation (to be) furnished for the purposes of international preliminary examination.			
B x No. V ELECTION OF STATES			
The applicant hereby elects all eligible States (that is, all States which have been designated and which are bound by Chapter II of			
the PCT)			
excluding the following States which the applicant wishes not t elect:			

Sheet No. . . 4

International application No. PCT/NZOO/00197

B x N . VI CHECK LIST				
The demand is accompanied by the following elem Box No. IV, for the purposes of international pre	nents, in the langu	uage referred to in ation:		onal Preliminary uthority use only not received
translation of international application	:	sheets		
2. amendments under Article 34	:	sheets		
 copy (or, where required, translation) of amendments under Article 19 	:	sheets		
 copy (or, where required, translation) of statement under Article 19 	:	sheets		
5. letter	:	sheets		. 🗆
6. other (specify)	:	sheets		
The demand is also accompanied by the item(s) ma	rked below:			
1. X fee calculation sheet		4. statement e	xplaining lack of sign	nature
2. separate signed power of attorney			and or amino acid sec eadable form	quence listing in
3. copy of general power of attorney; reference number, if any:		6. X other (spec		
B x No. VII SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE				
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the demand). TERESA VIDETTE GRIFFITHS Agent for the Applicants				
For Internation	onal Preliminary	Examining Authority	use only	
1. Date of actual receipt of DEMAND:				
2. Adjusted date of receipt of demand due to CORRECTIONS under Rule 60.1(b):				
3. The date of receipt of the demand is AFTER the expiration of 19 months from the priority date and item 4 or 5, below, does not apply. The applicant has been informed accordingly.				
4. The date of receipt of the demand is WITHIN the period of 19 months from the priority date as extended by virtue of Rule 80.5.				
5. Although the date of receipt of the demand is after the expiration of 19 months from the priority date, the delay in arrival is EXCUSED pursuant to Rule 82.				
For International Bureau use only				
Demand received from IPEA on:				

CHAPTER II

PCT

FEE CALCULATION SHEET

Annex to the Demand for international preliminary examination

International DOM (NZOO (OOLOZ	For International Preliminary Examining Authority use only
application No. PCT/NZ00/00197	41
Applicant's or agent's file reference P826504 TVG	Date stamp of the IPEA
Applicant UNIVERSITY OF OTAGO and BLIS TE LIMITED	CHNOLOGIES
Calculation of prescribed fees	
1. Preliminary examination fee	AUD450.00 P
2. Handling fee (Applicants from certain States are entitled to a reduction of 75% of the handling fee. Where the applicant is (or all applicants are) so entitled, the amount to be entered at H is 25% of the handling fee.)	AUD238.00 H
3. Total of prescribed fees Add the amounts entered at P and H and enter total in the TOTAL box	AUD688.00 TOTAL
M de of Payment	
authorization to charge deposit cash	
cheque revenu	e stamps
postal money order coupor	ns
bank draft X other ((specify): MasterCard
Deposit Account Authorization (this mode of payment may not The IPEA/ is hereby authorized to charge the	t be available at all IPEAs) ne total fees indicated above t my deposit account.
(this check-box may be marked on authorized to charge any deficing my deposit account.	ally if the conditions for deposit accounts of the IPEA so permit) is hereby tiency or credit any overpayment in the total fees indicated above t
Deposit Account Number Date (day/month/year)	Signature

From the:

1.

INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT To: NOTIFICATION OF TRANSMITTAL OF INTERNATIONAL PRELIMINARY EXAMINATION A J PARK & SON PO Box 949 REPORT **WELLINGTON 6001** (PCT Rule 71.1) New Zealand Date of mailing 3 0 MAR 2001 day/month/year Applicant's or agent's file reference IMPORTANT NOTIFICATION 26504 MRB International filing date Priority date International application No. 12 October 1999 12 October 2000 PCT/NZ 00/00197 Applicant BLIS TECHNOLOGIES LIMITED et al

- The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the 1 international preliminary examination report and its annexes, if any, established on the international application.
- A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the 2. elected Offices.
- Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report 3. (but not of any annexes) and will transmit such translations to those Offices.

REMINDER 4.

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices)(Article 39(1))(see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide

Name and mailing address of the IPEA/AU

AUSTRALIAN PATENT OFFICE

PO BOX 200

WODEN ACT 2606 AUSTRALIA

E-mail address: pct@ipaustralia.gov.au

Facsimile No.: (02) 6285 3929

Authorized officer

J.O.HANSON

Telephone No. (02) 6283 2262

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Application of agreement and	FOR FURTHER See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416).		
International application No.	International filing date (day/month/year) Priority Date (day/month/year)		
	2 October 2000	12 October 1999	
International Patent Classification (IPC) or	national classification and IPC		
	1/20, 15/31, 1/21; A61K38/08, 3	8/16, 39/09; A61P31/04	
Int. Cl. ⁷ C07K706, 14/315; C12N	1/20, 13/31, 1/21, 0-10-1-1		
Applicant 1. BLIS TECHNOLOGIES LIMITED et al			
This international preliminary examples and is transmitted to the applicant and	xamination report has been prepared nt according to Article 36.	by this International Preliminary Examining Authority	
2. This REPORT consists of a total	of 3 sheets, including this cover	sheet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a total	of sheet(s).	·	
3. This report contains indications relating to the following items:			
I X Basis of the report			
II Priority	II Priority		
III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
IV Lack of unity of in	of invention		
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents	ents cited		
VII Certain defects in	s in the international application		
VIII Certain observation	Certain observations on the international application		
Date of submission of the demand 13 March 2001	Date of complex 28 March 20	letion of the report 01	
Name and mailing address of the IPEA/A	AU Authorized O	fficer	
AUSTRALIAN PATENT OFFICE	1 In	million	
PO BOX 200 WODEN ACT 2606 AUSTRALIA	J.G. HANSO	ON.	
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	J	o. (02) 6283 2262	

I.	Basis of the report
1.	With regard to the elements of the international application:*
	X the international application as originally filed.
	the description, pages, as originally filed, pages, filed with the demand, pages, received on with the letter of.
	the claims, pages, as originally filed, pages, as amended (together with any statement) under Article 19, pages, filed with the demand, pages, received on with the letter of.
	the drawings, pages, as originally filed,
	pages, filed with the demand, pages, received on with the letter of.
	the sequence listing part of the description: pages , as originally filed pages , filed with the demand pages , received on with the letter of .
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, was on the basis of the sequence listing:
	contained in the international application in written form.
	X filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
**	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial
	applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-45	YES NO
	Inventive step (IS)	Claims Claims		YES NO
	Industrial applicability (IA)	Claims Claims		YES NO

2. Citations and explanations (Rule 70.7)

D1: US 3925160

D2: Applied and Environmental Microbiology, Vol. 59 (7), July 1993, pp 2014-21 D3: Applied and Environmental Microbiology, Vol.65 (5), May 1999, pp 2128-35

Novelty (N); Inventive Step (IS)

The proteins of claim 1, the protein cultures sources of claims 30-31 and the treatments of claim 40 do not appear to have been disclosed or fairly suggested in the prior art of documents D1 to D3. Accordingly, claims 1, 30, 31 and 40 are novel and involve an inventive step. Remaining claims 2-29, 32-39 and 41-45 are either dependant on, or are linked to the inventive concept of claims 1, 30, 31 and 40. Accordingly, these remaining claims are also novel and involve an inventive step.

Note: Claims 33-40 are to methods of treatment. Under Rule 67-1 of the PCT, this is excluded subject matter that does not require examination. However, the claims are examined here as they do not contravene Australian Law.





INTERNATIONAL SEARCH REPORT

International application No.

PCT/NZ 00/00197

A.	CLASSIFICATION OF SUBJECT MATTER		
Int Cl ⁷ :	C07K 7/06, 14/315; C12N 1/20, 15/31, 1/21; A61K 38/08, 38/16, 39/09; A61P 31/04		
	ternational Patent Classification (IPC) or to both nationa	I classification and IPC	
	FIELDS SEARCHED	i classification and if C	
	mentation searched (classification system followed by cl	accification symbols)	
Minimum docu	mentation searched (classification system followed by cr	assincation symbolo,	
Documentation	searched other than minimum documentation to the exte	ent that such documents are included in the	e fields searched
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN; (CA MEDLINE, WPIDS, BIOSIS) Keywords: Strep., Salivarius, Antibact., Antibiot ANGIS: Sequence Search: Seq. 1,3,5.			
C.	DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim No.
A	US3925160A (CREIGHTON UNIVERSITY)		1-45
	9 December 1975		
A	Applied and Environmental Microbiology, 1-45		1-45
	Vol.59(7), July1993, Ross, Karen F. et al., "Isolation and characterization of the lantibiotic", pages 2014-21.		
A Applied and Environmental Microbiology, Vol. 65(5), May 1999, Kalmokoff, M.L. et al.,		1-45	
	Evidence for production of a new lantibiotic", pages 2128-35		
	Further documents are listed in the continuation of Box C	X See patent family an	nnex
* Specia	al categories of cited documents:	" later document published after the in	ternational filing date or
"A" Docu	ment defining the general state of the art which is	priority date and not in conflict with understand the principle or theory ur	the application but cited to derlying the invention
"E" earlier application or patent but published on or after the "X" document of particular relevance; the claimed invention cannot			
"I." document which may throw doubts on priority claim(s) inventive step when the document is taken alone			
another citation or other special reason (as specified) be considered to involve an inventive step when the document is			
or oth	or other means combination being obvious to a person skilled in the art		
"P" document published prior to the international filing date "&" document member of the same patent family but later than the priority date claimed			
Date of the actual completion of the international search Date of mailing of the international search report			
1	8 January 2001 // January 200/		
ł.	ling address of the ISA/AU	Authorized officer	
PO BOX 200	N PATENT OFFICE	mtllden	$\overline{}$
WODEN ACT	T 2606 AUSTRALIA ss: pct@ipaustralia.gov.au	J.G. HANSON	
	Facsimile No.: (02) 6285 3929 Telephone-No.: (02) 6283 2262		





INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/NZ 00/00197

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Do	cument Cited in Se Report	arch	Patent Family Member	
US	3925160	NONE		
		•		
		-		
				END OF ANNEX

REC'D 0 4 APP. 2001
WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 26504 MRB	FOR FURTHER See Notification of Transmittal of International Preliminary ACTION Examination Report (Form PCT/IPEA/416).		
International application No.	International filing date (day/month	n/year) Priority Date (day/month/year)	
PCT/NZ 00/00197	12 October 2000	12 October 1999	
International Patent Classification (IPC)	or national classification and IPC		
Int. Cl. ⁷ C07K706, 14/315; C12	N 1/20, 15/31, 1/21; A61K38/08,	38/16, 39/09; A61P31/04	
Applicant 1. BLIS TECHNOLOGIES L.	IMITED et al		
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.			
2. This REPORT consists of a to	tal of 3 sheets, including this cov	er sheet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).			
These annexes consist of a total	al of sheet(s).		
3. This report contains indications relati	ng to the following items:		
I X Basis of the repor	I X Basis of the report		
II Priority	II Priority		
III Non-establishme	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability		
IV Lack of unity of invention			
VI Certain documen	VI Certain documents cited		
VII Certain defects in	VII Certain defects in the international application		
VIII Certain observations on the international application			
Date of submission of the demand 13 March 2001	Date of comp 28 March 2	oletion of the report 001	
Name and mailing address of the IPEA/	AU Authorized C	Authorized Officer	
AUSTRALIAN PATENT OFFICE		The state of the s	
WODEN ACT 2606 AUSTRALIA			
E-mail address: pct@ipaustralia.gov.a Facsimile No. (02) 6285 3929		J.G. MANSON Telephone No. (02) 6283-2262	
L L'ASSITTIFE INC. LUZI UZOJ 3727	I LEIENDANE IN	D 107107 61 7204	

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial
	applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-45	YES NO
	Inventive step (IS)	Claims Claims	1-45	YES NO
	Industrial applicability (IA)	Claims Claims	1-45	YES NO

2. Citations and explanations (Rule 70.7)

D1: US 3925160

D2: Applied and Environmental Microbiology, Vol. 59 (7), July 1993, pp 2014-21 D3: Applied and Environmental Microbiology, Vol.65 (5), May 1999, pp 2128-35

Novelty (N); Inventive Step (IS)

The proteins of claim 1, the protein cultures sources of claims 30-31 and the treatments of claim 40 do not appear to have been disclosed or fairly suggested in the prior art of documents D1 to D3. Accordingly, claims 1, 30, 31 and 40 are novel and involve an inventive step. Remaining claims 2-29, 32-39 and 41-45 are either dependant on, or are linked to the inventive concept of claims 1, 30, 31 and 40. Accordingly, these remaining claims are also novel and involve an inventive step.

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ī.	Basis of the report
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	X the international application as originally filed.
	the description, pages, as originally filed, pages, filed with the demand, pages, received on with the letter of.
	the claims, pages , as originally filed, pages , as amended (together with any statement) under Article 19, pages , filed with the demand, pages , received on with the letter of .
	the drawings, pages, as originally filed, pages, filed with the demand, pages, received on with the letter of.
-	the sequence listing part of the description: pages , as originally filed pages , filed with the demand pages , received on with the letter of .
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, was on the basis of the sequence listing:
	contained in the international application in written form.
	[X] filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17). Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report